IN THE CLAIMS

The following listing of the claims is provided in accordance with 37 C.F.R. 1.121:

 (original) A seal assembly for a turbomachine, the turbomachine comprising a stationary housing and a plurality of blades mounted for rotation about an axis, the seal assembly comprising:

a substantially wear-resistant surface disposed as the tip of the seal assembly, the substantially wear-resistant surface being positioned physically proximate to tips of the plurality of blades; and

a biasing member disposed intermediate to the substantially wear-resistant surface and the stationary housing, wherein the wear resistant surface is biased towards the tips of the plurality of blades.

- (original) The seal assembly of claim 1, wherein the stationary housing is a casing of a compressor stage or a static shroud assembly of a turbine stage.
- (currently amended) The seal assembly of claim 1, wherein the substantially wear-resistant surface comprises a hard-ceramic material.
- (currently amended) The seal assembly of claim 1, wherein the substantially wear-resistant surface comprises a hard-metallic material.
- (currently amended) The seal assembly of claim 1, wherein the substantially wear-resistant surface comprises a hard-cermet material.

 (original) The seal assembly of claim 1, wherein the biasing member comprises a plurality of spring plungers, each spring plunger further comprising:

an biasing element disposed within the enclosure; and

an enclosure:

- a protruding button disposed on the substantially wear-resistant surface.
- 7. (original) The seal assembly of claim 6, wherein the biasing element comprises a plurality of spring washers.
- 8. (original) The seal assembly of claim 6, wherein the biasing element comprises a high temperature resistant and creep resistant metal alloy.
 - 9. (original) The seal assembly of claim 6, further comprising: a backing supporting the spring plungers:
- a skirt disposed on the backing, the skirt having a box shape, wherein the skirt is open at a bottom thereof; and
 - a secondary sealing element disposed at an interface of the skirt and the backing.
- 10. (withdrawn) The seal assembly of claim 1, wherein the biasing member includes an biasing element comprising at least one wave of a wave spring disposed intermediate the stationary housing and the substantially wear-resistant surface.
- (withdrawn) The seal assembly of claim 10, wherein the wave spring comprises a high temperature resistant and creep resistant metal alloy.
- 12. (withdrawn) The seal assembly of claim 10, further comprising an enclosure positioned intermediate the substantially wear-resistant surface and the stationary housing, the enclosure further comprising an upper half and a lower half,

wherein the wave spring is disposed intermediate to the upper half and the lower half of the enclosure.

- 13. (withdrawn) The seal assembly of claim 12, wherein the upper half of the enclosure slides into the lower half of the enclosure at edges thereof.
- 14. (withdrawn) The seal assembly of claim 13, further comprising a bellows at the edges of the upper half and the lower half of the enclosure.
- 15. (withdrawn) The seal assembly of claim 13, further comprising a secondary sealing element disposed at an interface of the upper half and the lower half of the enclosure.
- 16. (original) A method of sealing a gas path between a stationary housing of a turbomachine and a rotating element mounted on an axis of the turbomachine, the method comprising:

engaging a substantially wear-resistant surface against a tip of the rotating element:

disposing a biasing member intermediate to the substantially wear-resistant surface and the stationary housing; and

urging the substantially wear-resistant surface toward the rotating element via the biasing member.

17. (original) The method of claim 16, wherein the biasing member includes a plurality of spring plungers, wherein each spring plunger comprises an enclosure, an biasing element disposed within the enclosure and a protruding button disposed toward the substantially wear-resistant surface.

- 18. (original) The method of claim 17, wherein the biasing element includes a plurality of spring washers in stacked arrangement.
 - 19. (original) The method of claim 18, further comprising: disposing a backing within the enclosure to support the spring plungers; disposing a skirt on top of the backing and having the shape of a box open at the

disposing a secondary seal at an interface of the skirt and the backing to seal gas passage between the skirt and the backing.

bottom; and

- (withdrawn) The method of claim 16, wherein the biasing member includes at least one wave spring disposed intermediate to the substantially wear-resistant surface and the stationary housing.
- 21. (withdrawn) The method of claim 20, further comprising: disposing an enclosure intermediate to the substantially wear-resistant surface and the stationary housing, the enclosure comprising an upper half and a lower half; and disposing the wave spring intermediate to the upper half and the lower half of the enclosure.
- 22. (withdrawn) The method of claim 21, further comprising welding edges of the lower half of the enclosure to edges of the upper half to form a bellows and to seal a gas passage between the upper half and the lower half of the enclosure.
- 23. (withdrawn) The method of claim 22, wherein an inner and an outer bellows-like structure containing slits form the flexible edge seal.

- 24. (withdrawn) The method of claim 21, further comprising disposing a secondary seal at an interface between the upper half of the enclosure and the lower half thereof to seal a gas passage therebetween.
 - 25. (original) A turbine comprising:
- a rotor assembly comprising a plurality of blades mounted for rotation about an axis;
 - a shroud assembly surrounding the plurality of blades; and
- a compliant seal assembly disposed intermediate to the tips of the plurality of blades and the stationary shroud assembly, the compliant seal assembly further comprising:
- a substantially wear-resistant surface positioned physically proximate to the blade tips; and
- a biasing member disposed intermediate to the substantially wear-resistant surface and the stationary shroud assembly to bias the substantially wear-resistant surface against the tips of the plurality of blades.
- 26. (original) The turbine of claim 25, wherein the substantially wearresistant surface comprises a ceramic material.
- 27. (original) The turbine of claim 25, wherein the biasing member comprises a plurality of spring plungers, each spring plunger further comprising an enclosure, an biasing element disposed within the enclosure, and a protruding button disposed towards the substantially wear-resistant surface.
- 28. (original) The turbine of claim 27, wherein the biasing element comprises a plurality of spring washers disposed in a stacked arrangement.

- 29. (original) The turbine of claim 27, wherein the compliant seal assembly further comprises a backing supporting the spring plungers, a skirt disposed on top of the backing and having a box shape open at the bottom, and a secondary sealing element disposed at an interface of the skirt and the backing.
- 30. (withdrawn) The turbine of claim 25, wherein the biasing member includes an biasing element comprising at least one wave of a wave spring disposed intermediate to the stationary shroud assembly and the substantially wear-resistant surface.
- 31. (withdrawn) The turbine claim 30, wherein the compliant seal assembly further comprises an enclosure positioned intermediate to the substantially wear-resistant surface and the stationary shroud assembly, the enclosure further comprising an upper half and a lower half, wherein the wave spring is disposed intermediate to the upper half and the lower half of the enclosure.
- (withdrawn) The turbine of claim 31, wherein upper half and the lower half of the enclosure form a bellows.
- 33. (withdrawn) The turbine of claim 31, wherein the compliant seal assembly further comprises a secondary sealing element disposed at an interface of the upper half and the lower half of the enclosure.
 - 34. (original) A turbine comprising:
- a rotor assembly comprising a plurality of blades mounted for rotation about an axis, each blade comprising a partial shroud at tips thereof, wherein the partial shrouds at the tips of the plurality of blades are adjacently positioned to form a substantially continuous rotating inner ring;

a stationary shroud assembly forming a static outer ring surrounding the rotating inner ring; and

a compliant seal assembly disposed intermediate to the rotating inner ring and the static outer ring, the seal assembly comprising a substantially wear-resistant surface positioned proximate to the rotating inner ring; and a biasing member disposed intermediate to the substantially wear-resistant surface and the stationary shroud assembly to bias the substantially wear-resistant surface against the rotating inner ring.

- 35. (original) The turbine of claim 34, wherein an outer periphery of the rotating inner ring comprises a plurality of knife-edges directed radially outwards, an inner periphery of the static outer ring comprises a plurality of knife edges directed radially inwards, and wherein the knife edges on the inner ring are alternately arranged with the knife edges on the outer ring, forming a labvrinth structure.
- 36. (original) The turbine of claim 35, wherein the compliant seal assembly is disposed intermediate to two consecutive knife-edges on the inner periphery of the static outer ring.
- 37. (original) The turbine of claim 36, wherein the substantially wearresistant surface comprises a ceramic material.
- 38. (original) The turbine of claim 36, wherein the biasing member comprises a plurality of spring plungers, each spring plunger comprising an enclosure, an biasing element disposed within the enclosure, and a protruding button disposed toward the substantially wear-resistant surface.
- 39. (original) The turbine of claim 38, wherein the biasing element comprises a plurality of spring washers disposed on top of each other.

- 40. (original) The turbine of claim 38, wherein the compliant seal assembly further comprises a backing supporting the spring plungers, a skirt disposed on top of the backing and having a box shape open at the bottom, and a secondary sealing element disposed at an interface of the skirt and the backing.
- 41. (withdrawn) The turbine of claim 36, wherein the biasing member includes an biasing element comprising at least one wave of a wave spring disposed intermediate to the stationary shroud assembly and the substantially wear-resistant surface.
- 42. (withdrawn) The turbine claim 41, wherein the compliant seal assembly further comprises an enclosure positioned intermediate to the substantially wear-resistant surface and the stationary shroud assembly, the enclosure further comprising an upper half and a lower half, wherein the wave spring is disposed intermediate to the upper half and the lower half of the enclosure.
- 43. (withdrawn) The turbine of claim 42, wherein upper half and the lower half of the enclosure form a bellows.
- 44. (withdrawn) The turbine of claim 42, wherein the compliant seal assembly further comprises a secondary sealing element disposed at an interface of the upper half and the lower half of the enclosure.